

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-231476

(43)Date of publication of application : 19.08.2003

(51)Int.Cl.

B62D 5/04  
H02P 6/08

(21)Application number : 2002-065874

(71)Applicant : HONDA MOTOR CO LTD

(22)Date of filing : 11.03.2002

(72)Inventor : YONEDA ATSUHIKO  
TAKAGI MASANORI  
SHIMIZU YASUO  
KURIBAYASHI TAKASHI

(30)Priority

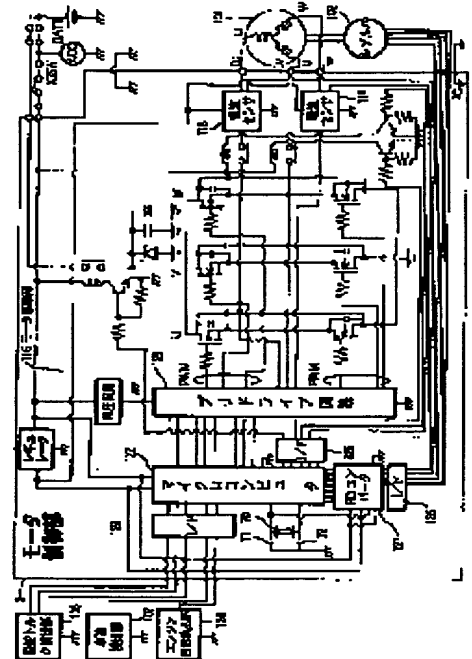
Priority number : 2001373382 Priority date : 06.12.2001 Priority country : JP

## (54) ELECTRIC POWER STEERING DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an electric power steering device providing smooth steering feeling by preventing output fluctuation of a brushless motor and fluctuation of steering assist force.

**SOLUTION:** The power steering device is provided with a steering torque detecting means for detecting steering wheel steering torque, a motor providing assist torque to a steering system, a motor rotational angle detecting means for detecting a rotational angle of the motor, a motor current detecting means for detecting current carried to the motor, and a motor control means for carrying out PWM drive control of the motor on the basis of at least signals outputted from the steering torque detecting means, the motor rotational angle detecting means and the motor current detecting means. The motor is the brushless motor 101, the motor rotational angle detecting means includes a resolver 102, and either one of a PWM driving frequency controlling drive of the brushless motor 102 or an exciting frequency of the resolver is an integral multiple of the other.



## LEGAL STATUS

[Date of request for examination]

30.11.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]